

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 5**

**IN THE MATTER OF:**

**PCS Nitrogen Ohio, L.P.  
2200 Fort Amanda Road  
Lima, Ohio, 45804**

**ATTENTION:**

**Michael Resar  
Environmental, Health, and Safety Manager**

**Request to Provide Information Pursuant to the Clean Air Act**

The U.S. Environmental Protection Agency is requiring PCS Nitrogen Ohio, L.P. ("PCS Nitrogen" or you) to submit certain information about the facility located at 2200 Fort Amanda Road in Lima, Ohio ("the Facility"). Appendix A provides the instructions needed to answer this information request, including instructions for electronic submissions. Appendix B specifies the information that you must submit. You must send this information to us within 30 calendar days after you receive this request.

We are issuing this information request under Section 114(a) of the Clean Air Act (CAA), 42 U.S.C. § 7414(a). Section 114(a) authorizes the Administrator of EPA to require the submission of information. The Administrator has delegated this authority to the Director of the Air and Radiation Division, Region 5.

PCS Nitrogen owns and operates emission sources at its Lima, Ohio facility. We are requesting this information to determine whether your emission sources are complying with the CAA.

You must send all required information to:

Attn: Compliance Tracker, AE-18J  
Air Enforcement and Compliance Assurance Branch  
U.S. Environmental Protection Agency  
Region 5  
77 W. Jackson Boulevard  
Chicago, Illinois 60604

You must submit all required information under an authorized signature with the following certification:

I certify under penalty of law that I have examined and am familiar with the information in the enclosed documents, including all attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are, to the best of my knowledge and belief, true and complete. I am aware that there are significant penalties for knowingly submitting false statements and information, including the possibility of fines or imprisonment pursuant to Section 113(c)(2) of the Clean Air Act and 18 U.S.C. §§ 1001 and 1341.

As explained more fully in Appendix C, you may assert a claim of business confidentiality under 40 C.F.R. Part 2, Subpart B, for any part of the information you submit to us. Information subject to a business confidentiality claim is available to the public only to the extent, and by means of the procedures, set forth at 40 C.F.R. Part 2, Subpart B. If you do not assert a business confidentiality claim when you submit the information, EPA may make this information available to the public without further notice. You should be aware, moreover, that pursuant to Section 114(c) of the CAA and 40 C.F.R. § 2.301(a) and (f), emissions data, standards and limitations are not entitled to confidential treatment and shall be made available to the public notwithstanding any assertion of a business confidentiality claim. Appendix C provides additional information regarding the meaning and scope of the term “emissions data.”


This information request is not subject to the Paperwork Reduction Act, 44 U.S.C. § 3501 *et seq.*, because it seeks collection of information from specific individuals or entities as part of an administrative action or investigation.

We may use any information submitted in response to this request in an administrative, civil or criminal action.

Failure to comply fully with this information request may subject PCS Nitrogen to an enforcement action under Section 113 of the CAA, 42 U.S.C. § 7413.

You should direct any questions about this information request to Marie St. Peter at (312) 886-4746 or at [stpeter.marie@epa.gov](mailto:stpeter.marie@epa.gov).

2/15/17  
Date

  
\_\_\_\_\_  
Edward Nam  
Director  
Air and Radiation Division

## **Appendix A**

When providing the information requested in Appendix B, use the following instructions and definitions.

### **Instructions**

1. Provide a separate narrative response to each question and subpart of a question set forth in Appendix B.
2. Precede each answer with the number of the question to which it corresponds and at the end of each answer, identify the person(s) who provided information used or considered in responding to that question, as well as each person consulted in the preparation of that response.
3. Indicate on each document produced, or in some other reasonable manner, the number of the question to which it corresponds.
4. When a response is provided in the form of a number, specify the units of measure of the number in a precise manner.
5. Where information or documents necessary for a response are neither in your possession nor available to you, indicate in your response why the information or documents are not available or in your possession, and identify any source that either possesses or is likely to possess the documents or information.
6. If information not known or not available to you as of the date of submission later becomes known or available to you, you must supplement your response. Moreover, should you find at any time after the submission of your response that any portion of the submitted information is false or incorrect, you must notify EPA as soon as possible.

### **Electronic Submissions**

To aid in our electronic recordkeeping efforts, we request that you provide all documents responsive to this information request in an electronic format according to paragraphs 1 through 6, below. These submissions are in lieu of hard copy.

1. Provide all responsive documents in Portable Document Format (PDF) or similar format, unless otherwise requested in specific questions. If the PDFs are scanned images, perform at least Optical Character Recognition (OCR) for "image over text" to allow the document to be searchable. Submitters providing secured PDFs should also provide unsecured versions for EPA use in repurposing text.
2. When specific questions request data in electronic spreadsheet form, provide the data and corresponding information in editable Excel or Lotus format, and not in image format. If Excel or Lotus formats are not available, then the format should allow for data to be used in calculations by a standard spreadsheet program such as Excel or Lotus.

3. Provide the submission on physical media such as compact disk, flash drive or similar item.
4. Provide a table of contents for each disk or drive so that each document can be accurately identified in relation to your response to a specific question. We recommend the use of electronic file folders organized by question number. In addition, each compact disk or flash drive should be labeled appropriately (*e.g.*, Company Name, Disk 1 of 4 for Information Request Response, Date of Response).
5. Documents claimed as confidential business information (CBI) must be submitted on separate disks/drives apart from the non-confidential information. This will facilitate appropriate records management and appropriate handling and protection of the CBI. Please follow the instructions in Appendix C for designating information as CBI.
6. Certify that the attached files have been scanned for viruses and indicate what program was used.

### **Definitions**

Unless otherwise defined herein, all terms used in this information request shall have their ordinary meaning or their meaning as defined in the CAA, 42 U.S.C. §§ 7401 *et seq.*

1. The terms “document” and “documents” shall mean any object that records, stores, or presents information, and includes writings, memoranda, records, or information of any kind, formal or informal, whether wholly or partially handwritten or typed, whether in computer format, memory, or storage device, or in hardcopy, including any form or format of these. If in computer format or memory, each such document shall be provided in translation to a form useable and readable by EPA, with all necessary documentation and support. All documents in hard copy should also include attachments to or enclosures with any documents.
2. The terms “relate to” or “pertain to” (or any form thereof) shall mean constituting, reflecting, representing, supporting, contradicting, referring to, stating, describing, recording, noting, embodying, containing, mentioning, studying, analyzing, discussing, evaluating or relevant to.
3. The term “current facility” shall mean the Lima, Ohio post-2015 expansion.
4. The term “surge tank” or “surge vessel” shall mean feed drums, recycle drums, and intermediate vessels or tanks that are used when in-process storage, mixing, or management of flowrates or volumes is needed to introduce material into an operation.
5. The term “process tank” shall mean any tank or vessel that is used to collect material discharged from a feedstock storage tank or equipment before the material is transferred to other equipment within a process or a product storage tank.
6. The term “storage tank” shall mean a tank or other vessel that is used to store liquids.

7. The term “ammonia service area” shall mean, for the purposes of this information request, all equipment involved in the Facility’s ammonia production operations.
8. The term “urea service area” shall mean, for the purposes of this information request, all equipment involved in the Facility’s urea and urea-based product production operations which occur after ammonia and CO<sub>2</sub> are produced in the “ammonia service area”.
9. The term “downtime” shall mean, for the purpose of this information request, the period of time during which the ammonia is not being produced at the ammonia service area or urea is not being produced at the urea service area.

## Appendix B

### Information You Are Required to Submit to EPA

PCS Nitrogen must submit the following information pursuant to Section 114(a) of the CAA, 42 U.S.C. § 7414(a), within 30 calendar days of its receipt of this letter.

1. Provide a copy of all air permit applications regarding the ammonia and/or urea service areas submitted on behalf of the facility to Ohio EPA from January 2003 to the present.
2. Provide an aerial photograph or diagram of the Facility as it exists currently. Provide an accompanying table listing each emission unit, associated exhaust point, pollutants emitted, the location of each emission unit's associated exhaust point by referencing the aerial photograph or diagram, and if applicable, associated emission control device. In the table, also include all fugitive emission exhaust points.
3. Provide copies of annual nitrogen oxides (NO<sub>x</sub>), methanol and formaldehyde emissions calculations from the Facility from 2008 to the present and the following associated information:
  - a. A narrative describing the method used for the annual NO<sub>x</sub>, methanol and formaldehyde emissions calculations;
  - b. The basis of any NO<sub>x</sub>, methanol and formaldehyde emission factor. Include all documents relating to any emission factor, including, but not limited to, any emails, recorded discussions, emissions testing, and engineering calculations. If any of the aforementioned emission factors have changed since 2008 provide a detailed explanation of the change and include all related documents, including but not limited to, any emails, recorded discussions, emissions testing, and engineering calculations that document the basis for the previous emission factor; and
  - c. Any documents outlining procedures for calculating annual NO<sub>x</sub>, methanol and formaldehyde emissions.
4. Provide a table of all emissions tests conducted for any purpose, including for compliance, informational, or engineering purposes, at the Facility's urea and ammonia service areas from February 2007 to the present and provide copies of all emissions test reports. Use the following guidelines for compiling the table and preparing copies of the stack test reports:
  - a. **Table:** Identify the emissions unit, the control device, the date of the test, the federal or state regulation requiring the test (if applicable), pollutants tested, throughput during test, and the test method(s) used. For each test during which the source was not operating at maximum design capacity, provide an explanation

for why production was limited. Indicate whether the report was shared with Ohio EPA.

- b. **Copies:** Provide full stack test reports, including the summary pages, the section describing the process parameters and production or processing rates at the time of the test, all test runs, and all calculations.
5. Provide a detailed process flow diagram of the Facility's ammonia and urea service areas. This process flow diagram must indicate, but should not be limited to, the following:
  - a. how ammonia is transported from the ammonia service area to the urea service area (e.g. pipeline from ammonia plant to surge tank);
  - b. how carbon dioxide (CO<sub>2</sub>) is transported from the ammonia service area to the urea service area;
  - c. where impurities (e.g., methanol) are separated out from the process gas/material;
  - d. what units have material handled by the medium pressure condensate stripper (MPCS);
  - e. where methanol and other hazardous air pollutants (HAPs) are generated in the process;
  - f. where methanol and other HAPs exist in the process (including any ancillary activities); and
  - g. where methanol and other HAPs are emitted.
6. For CO<sub>2</sub> production and use at the Facility, provide the following information:
  - a. A narrative description of how CO<sub>2</sub> is transported from its generation point in the ammonia service area to the urea service area, including a description of all equipment through which CO<sub>2</sub> is transferred and whether the material is placed in any equipment for solely for storage;
  - b. If storage equipment is used, provide the volume of CO<sub>2</sub> that can be stored and the hours per year each piece of storage equipment has been used from 2012 to the present;
  - c. The rate at which CO<sub>2</sub> is currently produced in the ammonia service area and the rate at which CO<sub>2</sub> is currently consumed at the urea service area and all documentation regarding how these rates were determined (indicate previous rates if have changes from February 2012 to the present); and
  - d. From February 2012 to the present, the volume of CO<sub>2</sub> produced in the ammonia service area, the volume of onsite generated CO<sub>2</sub> used by the urea service area, the



volume of CO<sub>2</sub> sent to the Linde plant, and the volume of CO<sub>2</sub> emitted to the atmosphere.

7. Provide a table listing each process tank, storage tank, and surge tank (including the ammonia spherical tanks) located at the Facility's urea and ammonia service areas using a unique identifier for each process tank, storage tank, and surge tank. In the table, identify the following:
  - a. whether the tank is a process tank, storage tank, or surge tank as those terms are defined in Appendix A;
  - b. the process tank, storage tank, or surge tank's primary purpose;
  - c. the capacity of the tank (in gallons);
  - d. the material(s) contained within the tank;
  - e. the material(s) being fed into the tank;
  - f. the origin of the material fed into each tank; and
  - g. the destination of material(s) fed out of the tank in percent of time per year.
8. For the urea reactor feed system (EU-P563) at the Facility, provide a process flow diagram (including inlets and outlets of the system). In addition to the diagram, provide the hours per year the feed system is receiving material from each inlet into the system (from February 2012 to the present).
9. For the ammonia service area, provide the following daily production rate of ammonia, in Microsoft Excel or compatible format, from February 2012 to the present in tons:
  - a. daily ammonia production rate (tons); and
  - b. monthly average ammonia production rate (tons/hr).
10. For the urea service area (prior to granulation, prilling, or solutions blending) provide the following, in Microsoft Excel or compatible format, from February 2012 to the present:
  - a. daily ammonia throughput (tons);
  - b. monthly average ammonia throughput rate (tons/hr);
  - c. daily urea production rate (tons); and
  - d. monthly average urea production rate (tons/hr).
11. Provide a table of downtimes at the ammonia service area, the urea service area, and any overlapping downtimes, from February 2012 to the present. For each period identified, provide the date, start time, end time, duration, and reason for the downtime.

12. Identify and describe, in a chronologically organized table, all capital expenditures greater than \$100,000 commenced at all emission units associated with the ammonia and/or urea service areas, from February 1, 2010, to the present. This list must contain the approximate date each project (including maintenance projects and modifications) commenced, the date each project was completed or implemented, a brief description of each project, a list of expenses for each project, and the fixed capital cost of each project in nominal dollars. This should include, but not be limited to capital expenditures associated with changes in fuel type, fuel feed operations, transformers, oxygen lancing, raw material feed rates, production rates, emission rates, and/or air pollution control equipment.
13. For each project identified in Question 13 that costs more than \$250,000, provide copies of all capital appropriation requests, financial justifications, and authorizations, including attachments and addenda, generated by or prepared on behalf of the facility or its predecessors concerning that project.
14. Provide complete copies of all written correspondence, determinations, documents, or communications with Ohio EPA from February 1, 2010, to the present, concerning the applicability of the Prevention of Significant Deterioration and/or non-attainment New Source review requirements to the construction and/or modification of any equipment at the Facility.
15. Provide complete copies of all written correspondence, determinations, documents, or communications with Ohio EPA from January 1, 2003, to the present, concerning the applicability of the National Emission Standards for Hazardous Air Pollutants (Miscellaneous Organic Chemical Manufacturing (Subpart FFFF)).

## **Appendix C**

### **Confidential Business and Personal Privacy Information**

#### **Assertion Requirements**

You may assert a business confidentiality claim covering any parts of the information requested in the attached Appendix B, as provided in 40 C.F.R. § 2.203(b).

*Emission data provided under Section 114 of the CAA, 42 U.S.C. § 7414, is not entitled to confidential treatment under 40 C.F.R. Part 2.*

“Emission data” means, with reference to any source of emissions of any substance into the air:

Information necessary to determine the identity, amount, frequency, concentration or other characteristics (to the extent related to air quality) of any emission which has been emitted by the source (or of any pollutant resulting from any emission by the source), or any combination of the foregoing;

Information necessary to determine the identity, amount, frequency, concentration or other characteristics (to the extent related to air quality) of the emissions which, under an applicable standard or limitation, the source was authorized to emit (including to the extent necessary for such purposes, a description of the manner and rate of operation of the source); and

A general description of the location and/or nature of the source to the extent necessary to identify the source and to distinguish it from other sources (including, to the extent necessary for such purposes, a description of the device, installation, or operation constituting the source).

40 C.F.R. § 2.301(a)(2)(i)(A),(B) and (C).

To make a confidentiality claim, submit the requested information and indicate that you are making a claim of confidentiality. Any document for which you make a claim of confidentiality should be marked by attaching a cover sheet stamped or typed with a caption or other suitable form of notice to indicate the intent to claim confidentiality. The stamped or typed caption or other suitable form of notice should employ language such as “trade secret” or “proprietary” or “company confidential” and indicate a date, if any, when the information should no longer be treated as confidential. Information covered by such a claim will be disclosed by EPA only to the extent permitted and by means of the procedures set forth at Section 114(c) of the CAA and 40 C.F.R Part 2. Allegedly confidential portions of otherwise non-confidential documents should be clearly identified. EPA will construe the failure to furnish a confidentiality claim with your response to the Request to Provide Information as a waiver of that claim, and the information may be made available to the public without further notice to you.

## Determining Whether the Information is Entitled to Confidential Treatment

All confidentiality claims are subject to EPA verification and must be made in accordance with 40 C.F.R. § 2.208, which provides in part that you must satisfactorily show that you have taken reasonable measures to protect the confidentiality of the information and that you intend to continue to do so; that the information is not and has not been reasonably obtainable by legitimate means without your consent and that disclosure of the information is likely to cause substantial harm to your business's competitive position.

Pursuant to 40 C.F.R. Part 2, Subpart B, EPA may at any time send you a letter asking that you support your confidential business information (CBI) claim. If you receive such a letter, you must respond within the number of days specified by EPA. Failure to submit your comments within that time would be regarded as a waiver of your confidentiality claim or claims, and EPA may release the information. If you receive such a letter, EPA will ask you to specify which portions of the information you consider confidential **by page, paragraph, and sentence**. Any information not specifically identified as subject to a confidentiality claim may be disclosed to the requestor without further notice to you. For each item or class of information that you identify as being CBI, EPA will ask that you answer the following questions, giving as much detail as possible:

1. For what period of time do you request that the information be maintained as confidential, e.g., until a certain date, until the occurrence of a special event, or permanently? If the occurrence of a specific event will eliminate the need for confidentiality, please specify that event.
2. Information submitted to EPA becomes stale over time. Why should the information you claim as confidential be protected for the time period specified in your answer to question number 1?
3. What measures have you taken to protect the information claimed as confidential? Have you disclosed the information to anyone other than a governmental body or someone who is bound by an agreement not to disclose the information further? If so, why should the information still be considered confidential?
4. Is the information contained in any publicly available databases, promotional publications, annual reports or articles? Is there any means by which a member of the public could obtain access to the information? Is the information of a kind that you would customarily not release to the public?
5. Has any governmental body made a determination as to confidentiality of the information? If so, please attach a copy of the determination.
6. For each category of information claimed as confidential, **explain with specificity** why release of the information is likely to cause substantial harm to your competitive position. Explain the specific nature of those harmful effects, why they should be viewed as substantial and the causal relationship between disclosure and such harmful effects. How could your competitors make use of this information to your detriment?

7. Do you assert that the information is submitted on a voluntary or a mandatory basis? Please explain the reason for your assertion. If you assert that the information is voluntarily submitted information, explain whether and why disclosure of the information would tend to lessen the availability to EPA of similar information in the future.
8. Is there any other information you deem relevant to EPA's determination regarding your claim of business confidentiality?

If you receive a request for a substantiation letter from the EPA, **you bear the burden of substantiating your confidentiality claim.** Conclusory allegations will be given little or no weight in the determination. In substantiating your CBI claim(s), you must bracket all text so claimed and mark it "CBI." Information so designated will be disclosed by EPA only to the extent allowed by and by means of the procedures set forth in 40 C.F.R. Part 2, Subpart B. If you fail to claim the information as confidential, it may be made available to the public without further notice to you.

#### **Personal Privacy Information**

Please segregate any personnel, medical and similar files from your responses and include that information on a separate sheet(s) marked as "Personal Privacy Information." Disclosure of such information to the general public may constitute an invasion of privacy.

**CERTIFICATE OF MAILING**

I, Tina Robinson, certify that I sent a Request to Provide

Information Pursuant to the Clean Air Act by Certified Mail, Return Receipt Requested, to:

Michael Resar  
Safety, Health, and Environmental Manager  
PCS Nitrogen Ohio, L.P.  
2200 Fort Amanda Road  
Lima, Ohio 45804

I also certify that I sent a copy of the Request to Provide Information Pursuant to the  
Clean Air Act by e-mail to:

Bob Hodanbosi  
Chief, Division of Air Pollution Control  
Ohio Environmental Protection Agency  
bob.hodanbosi@epa.ohio.gov

Mark Budge  
APC Manager, Northwest District Manager  
Ohio Environmental Protection Agency  
mark.budge@epa.ohio.gov

On the 16<sup>th</sup> day of February 2017.

Tina Robinson  
for Kathy Jones, Program Technician  
AECAB, PAS

CERTIFIED MAIL RECEIPT NUMBER: 7009168000007660 7063